



1/Fin

2631

<b>TRANSMITTAL FORM</b>		Application No.	09/805,602
(to be used for all correspondence after initial filing)		Filing Date	March 13, 2001
		First Named Inventor	Kaveh Shakeri
		Art Unit	2631
		Examiner Name	Kevin Michael Burd
Total Number of Pages in This Submission	8	Attorney Docket Number	71811P004

<b>ENCLOSURES (check all that apply)</b>			
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <div style="border: 1px solid black; height: 40px; width: 100%;">-copies of 12 references</div>	
		Remarks	

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
Firm or Individual name	Thinh V. Nguyen, Reg. No. 42,034  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	March 22, 2005

<b>CERTIFICATE OF MAILING/TRANSMISSION</b>			
<p>I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450..</p>			
Typed or printed name	Tu T. Nguyen		
Signature		Date	March 22, 2005



# FEES TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

## Complete if Known

Application Number	09/805,602
Filing Date	March 13, 2001
First Named Inventor	Kaveh Shakeri
Examiner Name	Kevin Michael Burd
Art Unit	2631
Attorney Docket No.	7181IP004

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT**

**(\$)**

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s)  Credit any overpayments  
 under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

## FEE CALCULATION

### Large Entity      Small Entity

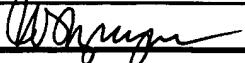
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (2)**

**(\$)**

Complete (if applicable)

Name (Print/Type)	Thinh V. Nguyen	Registration No. (Attorney/Agent)	42,034	Telephone	(714) 557-3800
Signature				Date	03/22/05



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

KAVEH SHAKERI, ET AL.

Application No.: 09/805,602

Filed: March 13, 2001

For: **EFFICIENT EPOCH PROCESSING IN  
MULTICHANNEL GLOBAL  
POSITIONING SYSTEM SIGNAL  
RECEIVER**

Art Group: 2631

Examiner: Kevin Michael Burd

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

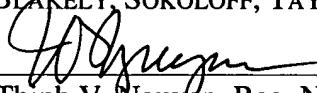
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: March 22, 2005

  
\_\_\_\_\_  
Thinh V. Nguyen, Reg. No. 42,034

12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (714) 557-3800

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Tu T. Nguyen

03-22-05

Date



MAR 24 2005

Substitute for form 1449A/PTO

~~SECRET~~  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

## Sheet

2

off

3

<i>Complete if Known</i>	
Application Number	09/805,602
Filing Date	March 13, 2001
First Named Inventor	Kaveh Shakeri
Art Unit	2631
Examiner Name	Kevin Michael Burd
Attorney Docket Number	071811.P004

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

MAR 24 2005

<p>Substitute for form 1449A/PTO <i>TRADEMARKS</i></p> <p><b>INFORMATION DISCLOSURE</b></p> <p><b>STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><b>Complete If Known</b></p>	
Sheet	1	of	3	Application Number	09/805,602
				Filing Date	March 13, 2001
				First Named Inventor	Kaveh Shakeri
				Art Unit	2631
				Examiner Name	Kevin Michael Burd
				Attorney Docket Number	071811.P004

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.'	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
		US-4,651,154	03-17-1987	Wong	
		US-4,701,934	10-20-1987	Jasper	
		US-4,785,463	11-15-1988	Janc	
		US-5,222,245	06-22-1993	Ando	
		US-5,365,447	11-15-1994	Dennis	
		US-5,402,347	03-28-1995	McBurney	
		US-5,420,593	05-30-1995	Niles	
		US-5,535,237	07-09-1996	Lapadula	
		US-5,594,453	01-14-1997	Rodal	
		US-5,592,173	01-07-1997	Lau	
		US-5,629,708	05-13-1997	Rodal	
		US-5,650,785	07-22-1997	Rodal	
		US-5,663,734	09-02-1997	Krasner	
		US-5,703,597	12-30-1997	Yu	
		US-5,781,156	07-14-1998	Krasner	
		US-5,798,732	08-25-1998	Eshenbach	
		US-5,831,574	11-03-1998	Krasner	
		US-5,841,396	11-24-1998	Krasner	
		US-5,854,605	12-29-1998	Gildea	
		US-5,874,914	02-23-1999	Krasner	

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

*\*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.*

Based on RTO/SB/DBA (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003

Send To: Commissioner for Patents, P O Box 1450, Alexandria, VA 22313-1450



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

3

of

3

### Complete if Known

Application Number	09/805,602
Filing Date	March 13, 2001
First Named Inventor	Kaveh Shakeri
Art Unit	2631
Examiner Name	Kevin Michael Burd
Attorney Docket Number	071811.P004

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MICHAEL S. BRAASCH, A.J. Van Dierendonck, "GPS Receiver Architectures and Measurements", Proceedings of the IEEE, Vol. 87, No. 1, January 1999, pp 18-64.	
		CHADHA, K., "The Global Positioning System: Challenges in Bring GPS to Mainstream Consumers", IEEE International Solid-State Circuits Conference, 1998, Digest of Technical Papers, Page(s): 26 "28.	
		P.G. MATTOS, "WAAS/EGNOS "Ready 2-Chip GPS Chipset", IEEE Conference on Satellite Systems for Mobile Communications and Navigation, 13-15th May 1996, pp 24-27.	
		D.J.R. VAN NEE et. Al. "New Fast GPS Code-Acquisition Technique Using FFT", Electronics Letters, Jan. 17, 1991, Vol. 27, No. 2, pp 158-160.	
		ASAI, T.; SAKAMOTO, T.; HASE, T., "Software Solution of GPS Baseband Processing", International Conference on Consumer Electronics, 1998. ICCE. 1998 Digest of Technical Papers, Page(s): 180 "181.	
		K. BOEHM, et. Al., "An IF Digitizing Receiver for a Combined GPS/GSM Terminal", Proceedings of IEEE RAWCON 1998, pp 39-42.	
		WON NAMGOONG, Sydney Reader, Teresa Meng, "An All-Digital IF GPS Synchronizer for Portable Applications", ISSCC 99, Paper WA 19.5, pp 340-341.	
		TERESA MENG, "Low Power GPS Receiver Design", IEEE Workshop on Signal Processing Systems, 1998. SIPS 98, Page(s): 1-10.	
		READER, S., NAMGOONG, W., MENG, T., "Partitioning Analog and Digital Processing in a Single Chip GPS Receiver", IEEE Workshop on Signal Processing Systems, 1998. SIPS 98, Page(s): 253-259.	
		WEIHUA ZHUANG; SUNDARA MURTHY, K.M., "Modeling and Performance Analysis of Digital Baseband Processor of the GPS Receiver", Third IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, 1992. Proceedings, PIMRC '92, Page(s): 372-376.	
		WON NAMGOONG, "Fast and Power-Efficient Synchronization of Direct-Sequence Spread Spectrum Signals", PhD Dissertation, Stanford University, July 1999.	
		GUO GUIRONG, et al. "Mixer Free All Digital Quadrature Demodulation", Proceedings of ICSP98, pp. 1704-1707.	

Examiner Signature	Date Considered
--------------------	-----------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number. \*Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.  
Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450